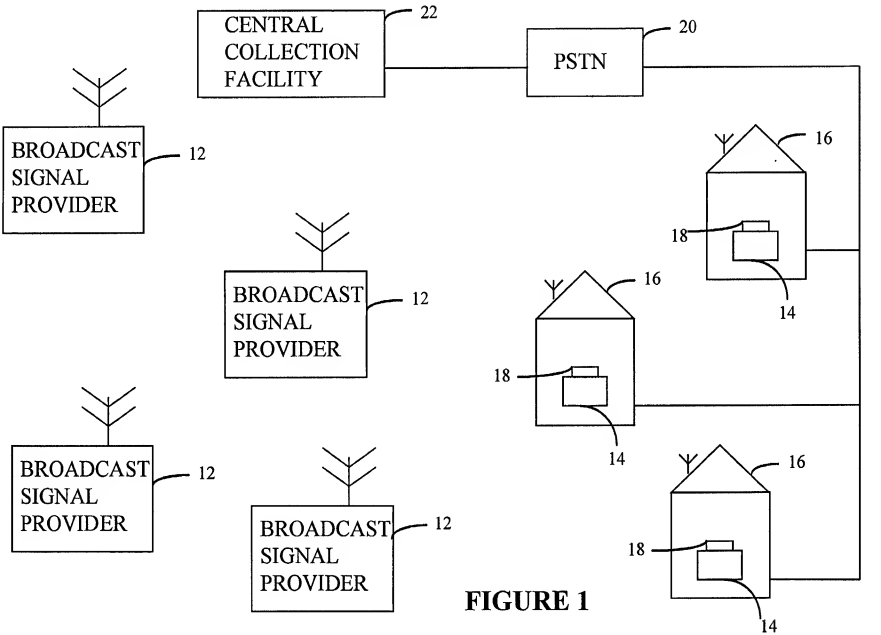

CENTRAL COLLECTION FACILITY
22
PSTN
20
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
16
18
14
16
18
14
16
18
14

FIGURE 1

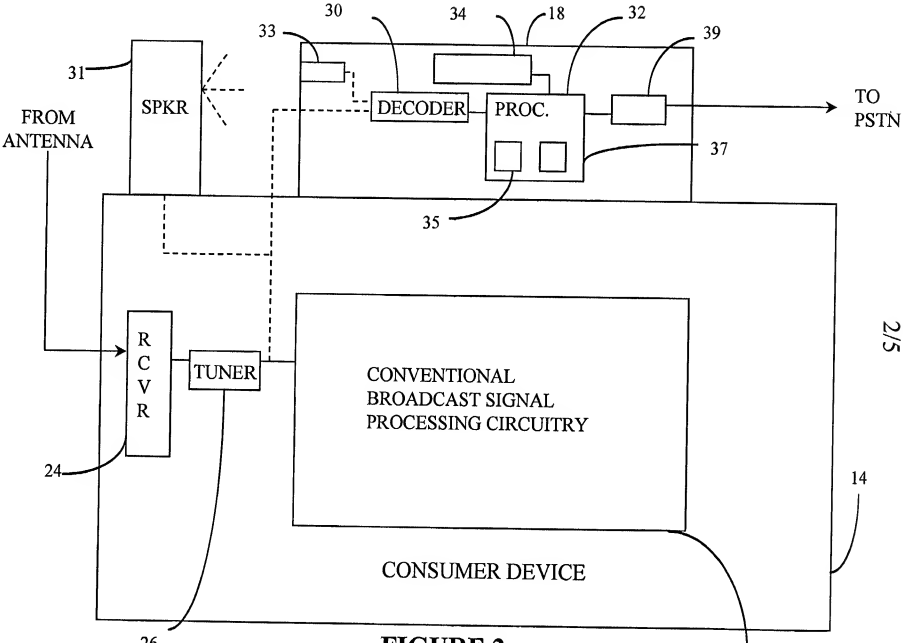
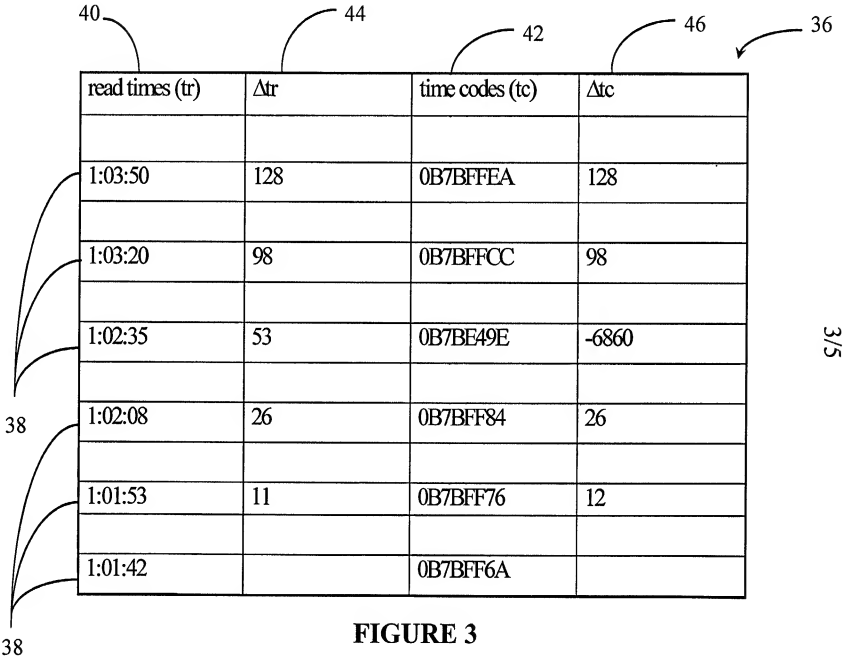

30
34
18
32
33
39
31
SPKR
DECODER
PROC.
TO
PSTN
FROM
ANTENNA
37
35
R
C
V
R
TUNER
CONVENTIONAL
BROADCAST SIGNAL
PROCESSING CIRCUITRY
24
14
CONSUMER DEVICE
26
28

FIGURE 2



read times (tr)	Δtr	time codes (tc)	Δtc
1:03:50	128	0B7BFFEA	128
1:03:20	98	0B7BFFCC	98
1:02:35	53	0B7BE49E	-6860
1:02:08	26	0B7BFF84	26
1:01:53	11	0B7BFF76	12
1:01:42		0B7BFF6A	

FIGURE 3

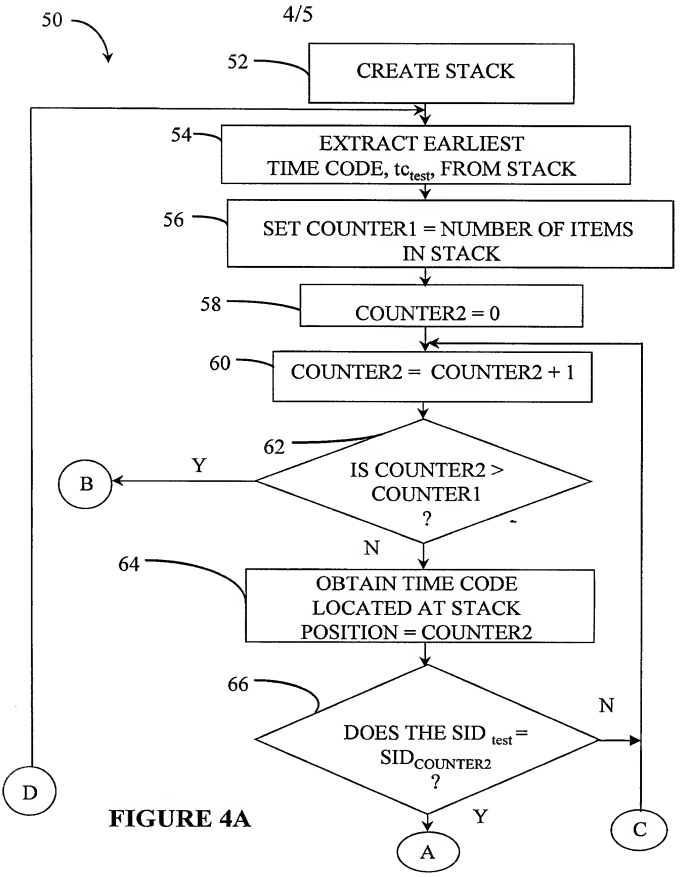
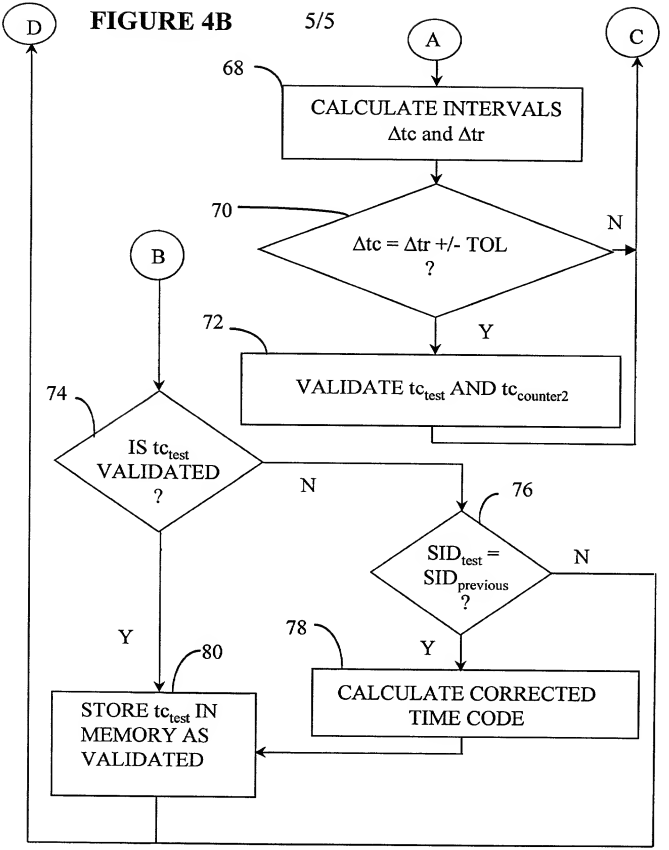

50
52
CREATE STACK
54
EXTRACT EARLIEST TIME CODE, tc_{test}, FROM STACK
56
SET COUNTER1 = NUMBER OF ITEMS IN STACK
58
COUNTER2 = 0
60
COUNTER2 = COUNTER2 + 1
62
IS COUNTER2 > COUNTER1 ?
Y
B
N
64
OBTAIN TIME CODE LOCATED AT STACK POSITION = COUNTER2
66
DOES THE SID $_{test}$ = $SID_{COUNTER2}$?
N
Y
A
C
D

FIGURE 4A

FIGURE 4B


D
A
C
B
68
CALCULATE INTERVALS
Δtc and Δtr
70
Δtc = Δtr +/- TOL
?
N
Y
72
VALIDATE tc_test AND tc_counter2
74
IS tc_test
VALIDATED
?
N
76
SID_test =
SID_previous
?
N
Y
78
Y
80
CALCULATE CORRECTED
TIME CODE
STORE tc_test IN
MEMORY AS
VALIDATED